

WHAT IS CLAIMED IS:

1. An operating system loading method, for loading an operating system from a storage device, comprising:

judging whether the operating system is first time booted or not;

5 creating a cluster-list-table if booting the operating system is judged first time; and  
loading the operating system according to the cluster-list-table.

2. The operating system loading method of claim 1, further comprising:

judging whether the operating system is first time booted or not;

generating a check sum if booting the operating system is judged first time; and

10 judging whether an operating system file is modified or not based on the check sum.

3. The operating system loading method of claim 1, wherein making the cluster-list-table comprises:

searching a plurality of clusters where the operating system file is saved; and

15 sorting and saving as the cluster-list-table thereof according to information on the clusters.

4. The operating system loading method of claim 1, wherein the storage device is a hard disk drive.

5. The operating system loading method of claim 4, wherein the cluster-list-table is sorted based on a cylinder number, a head number, and a sector number.

20 6. The operating system loading method of claim 1, wherein the storage device is a flash drive.

7. The operating system loading method of claim 1, wherein the operating system is an embedded operating system.

**8. An operating system loading method, for loading an operating system from a storage device, comprising:**

reading a cluster-list-table; and

loading the operating system according to the cluster-list-table.

5       **9. The operating system loading method of claim 8, further comprising:**

judging whether the operating system is first time booted or not;

generating a check sum for the operating system if loading the operating system is judged first time; and

judging whether an operating system file is modified or not based on the check sum.

10      **10. The operating system loading method of claim 8, further comprising:**

judging whether the operating system is first time booted or not;

searching a plurality of clusters where the operating system file is saved if loading the operating system is judged first time; and

sorting and saving as the cluster-list-table thereof according to information on the clusters.

**11. The operating system loading method of claim 8, wherein the storage device is a hard disk drive.**

**12. The operating system loading method of claim 11, wherein the cluster-list-table is sorted based on a cylinder number, a head number, and a sector number.**

20      **13. The operating system loading method of claim 8, wherein the storage device is a flash drive.**

**14. The operating system loading method of claim 8, wherein the operating system is an embedded operating system.**